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STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

Site: Litton Industries
MOD007152903
1.5
1-19-89

MEMORANDUM

DATE: January 19, 1989

TO: Litton Industries File, Greene County

FROM: Mr. John Madras, Environmental Specialist
Waste Management Program

SUBJECT: Comments on Site Inspection Report

1. This report documents the presence of 1,1,1 trichloroethane and trichloroethylene, and elevated levels of metals at the Litton Industries site. Trichloroethylene was also detected in an off-site well and spring, although those water supplies are known to be hydraulically connected to other groundwater sources as well (DGLS report by Charles Williams, October 12, 1988). No off-site migration of metals was documented.

2. Metals detected on-site were many times background levels (a summary of the data is attached; parenthesized values are TEP results). Copper, chromium and lead concentrations in the upper leaching field are most notable. The lead value exceeds previously determined Department of Health (DOH) safe soil levels (238 ppm) while the chromium level approaches, but does not exceed the DOH level of 570 ppm.

3. A small concentration of methylene chloride was found in the background soil sample. Concentrations of trichloroethylene were very large in relation to the analytical detection limit, ~~but less than the DOH cleanup level (23.8 ppm at the Bemis site)~~.

4. The preliminary Hazard Ranking Score (HRS) Score is 10.53, resulting primarily from potential off-site migration and contamination of a drinking water aquifer used by approximately 150 local residents (the scoring sheets are attached).

5. The lack of present documentation of off-site migration and the low HRS score make this a poor candidate for the National Priorities List. Significant concentrations of trichloroethylene were found in the McCrosky well and Ritter Spring West water, and detectable levels of mercury and chromium were found in Ritter Spring West sediment. The TCE concentrations both exceeded the drinking water MCL. Further dye tracing should be conducted to identify the source(s) of contamination in the McCroski well and Ritter Spring west. The site should be assessed for placement on the Registry of Confirmed Abandoned and Uncontrolled Hazardous Waste Disposal Sites in Missouri.

CONCURRENCES:

Jim Belcher, Chief Planning and Pre-Remedial Unit — Date 1/20/89

Keith Schardein, Chief Superfund Section — Date 1/20/89

JM:kd

Attachments